

AH -1134 CV-19
B.Sc. (Part-I) Private
Term End Examination, 2019-20
COMPUTER SCIENCE
Paper - I

Time:- Three Hours]

[Maximum Marks: 50

Note: Answer all questions. All question carry equal marks.

Unit-I

1. (a) Explain Generation of computers with their advantages and limitation.
(b) Explain Flynn's classification of computers

OR

- (a) Write short notes on the following:
(i) Analog and digital computer
(ii) Dumb, smart and intelligent terminals
(b) Explain the Following:
(i) multiprogramming and multi user system
(ii) computer Network

Unit-II

2. (a) Explain architecture of Intel 8085 microprocessor with diagram.
(b) (a) Write short notes on the following:
(i) Registers (ii) Timing Diagram

OR

- (a) Explain various addressing mode in detail
(b) Explain the Following:
(i) Instruction cycle
(ii) Interrupts

Unit-III

3. (a) What do you understand by primary memory explain various types of Rom
(b) Explain cache memory and virtual memory in detail

OR

- (a) Explain direct Access storage devices with example
(b) Write short notes on the following:
(i) Program and data memory (ii) Magnetic tape and Floppy Disk

Unit-IV

4. (a) Write short notes on the following:
(i) Mouse (ii) Joystick (iii) Lighten (iv) Digitize
(b) Explain Raster scan, Vector scan and Bit mapped scan.

OR

- (a) What is impact and non-impact printers. Explain various types of printers.
(b) Write short notes on the following:
(i) parallel and serial ports (ii) Arithmetic processor

Unit-V

5. (a) What do you mean by computer language? Explain various types of computer languages with example.
(b) Write short notes on the following:
(i) Flow chart (ii) Open source software

OR

- (a) Explain operating system & utility programs.
(b) Write short notes on the following:
(i) Application packages (ii) stack and subroutine